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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,685			2159.0440003/EJH/J-H	4041
STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C. 1100 NEW YORK AVE., N.W. WASHINGTON, DC 20005			EXAMINER	
			. CARLSON, KAREN C	
WASIMVOIO	11, DC 20005		ART UNIT	PAPER NUMBER
		•	. 1656	
			MAIL DATE	DELIVERY MODE .
	•		10/01/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/553,685	MI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Karen Cochrane Carlson, Ph.D.	1656			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on  2a) This action is <b>FINAL</b> . 2b) This  3) Since this application is in condition for allowar closed in accordance with the practice under E	- action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 58-100 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) ·58-100 are subject to restriction and/or	vn from consideration.				
Application Papers					
<ul> <li>9) The specification is objected to by the Examiner.</li> <li>10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).</li> <li>11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.</li> </ul>					
Priority under 35 U.S.C. § 119					
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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Claims 1-57 have been cancelled. Claims 58-100 are currently pending and are subject to restriction.

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group 1, claim(s) 58-78, 80, 81, and 100, drawn to nucleic acid encoding a fragment of SEQ ID NO: 2, polypeptide.

Group 2, claim(s) 64 and 89-95, drawn to gene therapy.

Group 3, claim(s) 79-81, drawn to antibody against fragments of SEQ ID NO: 2.

Group 4, claim(s) 82-85, drawn to a method for inhibiting signal transduction in vitro via SEQ ID NO: 2.

Group 5, claim(s) 82-85, drawn to drawn to a method for inhibiting signal transduction in vitro with antibody against SEQ ID NO: 2.

Group 6, claim(s) 86-88, drawn to a method of treating CNS disease in vivo via SEQ ID NO: 2.

Group 7, claim(s) 86-88, drawn to a method of treating CNS disease in vivo via antibody against SEQ ID NO: 2.

Group 8, claim(s) 96-99, drawn to antisense.

The inventions listed as Groups 1-8 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Claim 58, for example, reads on a single amino acid, for example. Therefore, the inventions lack a special technical feature.

Additionally, there are 20 different variants of SEQ ID NO: 2 listed in Claim 59. Applicants must elect a single variant for search, OR Applicants must provide a single sequence or subsequence that will represent a subset of, or all of, the 20 different variants of SEQ ID NO: 2 listed in Claim 59. This is not a species election but an election of an invention because the variants differ in structure and cannot be searched via a single polypeptide or nucleic acid sequence search.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen Cochrane Carlson, Ph.D. whose telephone number is 571-272-0946.

The examiner can normally be reached on 7:00 AM - 4:00 PM, off alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Kathleen Kerr Bragdon can be reached on 571-272-0931. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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KAREN COCHRANE CARLSON, PH.D. PRIMARY EXAMINER

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